United States Government **Department of Energy**

memorandum

National Nuclear Security Administration
Los Alamos Site Office
Los Alamos, New Mexico 87544

DATE: August 27, 2004
REPLY TO ATTN OF: SABT/JWH-04-012
SUBJECT: Los Alamos Nuclear Facilities List, Revision 5

TO: James W. Angelo, Division Leader, Performance Surety Division, C-347

The Los Alamos Site Office (LASO) has reviewed revision 5 of the Los Alamos National Laboratory's Nuclear Facilities List. The list provides a compilation of Nuclear Hazard Category 2 and 3 facilities at the Los Alamos National Laboratory (LANL).

The LANL Nuclear Facilities List is created and provided solely as a document to identify, in a single location, the Hazard Category 2 and 3 Nuclear Facilities at Los Alamos and provide a reference to the document categorizing the facility. This document is not intended and does not serve to document the complete Authorization Basis of a nuclear facility. The complete Authorization Basis for a nuclear facility is documented in the Authorization Agreement.

The nuclear facilities list is periodically revised to reflect changes that occur in facility status. For example, a final hazard categorization or the movement, relocation or final disposition of inventory. LANL will need to ensure that changes reflected in Revision 4 of the nuclear facility list are properly reflected into the current Authorization Agreements for each nuclear facility.

In May this office identified errors in Revision 4 and brought them to the attention of LANL with a request to correct the errors. It is understood LANL is undergoing many changes but the length of time to correct minor errors needs to be remedied.

Revision 5 comprises the official list of Nuclear Hazard Category 2 and 3 facilities and Revision 5 is approved and supercedes the April 15, 2004 Revision 4 DOE/LANL Nuclear Facilities List.

If you should have any questions please contact Joe Houghton of the Safety Authorization Basis Team staff at (505) 667 – 6778

Christopher M. Steele
Senior Authorization Basis Manger

This document is determined to be UNCLASSIFIED and contains no UCNI Joseph W. Houghton, ADC 8/26/04

Attachment: as stated

cc w/attachment:

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Los Alamos
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Action Joe H 8/26/04

Received from Tony V
8/24/04 RC
10:30AM

Performance Surety Division
James W. Angelo, Division Leader
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Date: August 23, 2004
Refer To: PS-DO:04-071

Mr. Christopher Steele
Senior Authorization Basis Manager
Los Alamos Site Office
528 35th Street, MS A316
Los Alamos, NM 87544

Dear Mr. Steele:

The attached document, DOE/LANL List of Los Alamos National Laboratory Nuclear Facilities, has been updated to reflect the current categorization of the Laboratory's nuclear facilities. As agreed to at the SABT/SBO June 30, 2004 Biweekly meeting, the List will reference only the document that identifies the hazard category of the facility. The Laboratory intends to review and update this document whenever a significant change occurs, such as the addition or deletion of a nuclear facility from the list.

Please review and concur with the document as the SABM and LASO Manager by signing page ii, then return the signed original to PS-4 with a recommended DOE distribution. This office will provide the production and distribution, and will post it on he Laboratory's internal web site.

If you have any questions regarding this transmittal, please call Tony Villegas at 665-2478.

Sincerely,

James W. Angelo
Division Leader

JWA/DGS:ar

Attachment: a/s

Cy: C. Keilers, DNFSB, A316
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PS-DO Files

Performance Surety Division	Documentation and Records	PS-SBO 401 Rev. 5 August 20, 2004

DOE/LANL LIST OF LOS ALAMOS NATIONAL LABORATORY NUCLEAR FACILITIES

U.S. Department of Energy
National Nuclear Security Administration
Los Alamos Site Office

Los Alamos National Laboratory
Performance Surety Division
Safety Basis Office (PS-4)

APPROVED FOR USE	
LANL PS-SBO Office Leader	8/20/04 Date
NNSA-LASO Senior Authorization Basis Manager	8/26/04 Date
LASO Director	8/27/04 Date

Record of Document Revisions

Revision Record		
Revision	**Date**	**Summary**
0	April 2000	Original Issue.
1	June 2001	Updated nuclear facility list and modified format.
2	December 2001	Corrected CSOs, referenced DOE approval memo for 10 CFR 830 compliant facilities, new acronym list, and safety basis documentation update since last revision.
3	July 2002	Semi-annual update.
4	February 2004	Update safety basis documentation for Transportation, TA-18 LACEF, TA-8-23 Radiography, TA-21 TSTA, and TA-50 RLWTF. Added 11 Environmental Sites that were categorized as Hazard Category 2 and Hazard Category 3 Nuclear Facilities. TA-21 TSTA, TA-48-1 Radiochemistry, and TA-50 RAMROD were downgraded to Radiological Facilities and removed from this list. The facility contacts were changed from the Facility Manager and Facility Operations to Responsible Division Leader and Facility Management Unit.
5	August 2004	Updated TA-50 RLWTF as Hazard Category 2 Nuclear Facility, Added DVRS as a temporary Hazard Category 2 Nuclear Facility. Downgraded TSFF to a Hazard Category 3 Nuclear Facility from a Hazard Category 2. The organization of the Nuclear Facility List was modified to identify only the document that categorizes the facility. Other safety basis documents related to a facility would be identified in the Authorization Agreements. The purpose of this was to reduce redundancy and conflicts between the Nuclear Facility List and Authorization Agreements.

Changes in Nuclear Facility Status

Date	Description
3/97	Omega West Reactor (OWR), TA-2-1, downgraded from hazard category 2 reactor facility to a radiological facility. OWR removed from the nuclear facilities list.
9/98	Safety Analysis Report (SAR) approved accepting the Radioactive Materials, Research, Operations, and Demonstration Facility (RAMROD), TA-50-37, as a hazard category 2 nuclear facility. RAMROD added to the nuclear facilities list.
9/98	TA-35 Buildings 2 and 27 downgraded from a hazard category 2 nuclear facility to a hazard category 3 nuclear facility.
9/98	Basis of Interim Operations (BIO) approved accepting the Los Alamos Neutron Science Center (LANSCE) A-6 Isotope Production and Materials Irradiation and 1L Manuel Lujan Neutron Scattering Center (MLNSC) Target Facilities as hazard category 3 nuclear facilities.
10/98	TA-8 Radiography Facility Buildings 24 and 70 downgraded from hazard category 2 nuclear facilities to radiological facilities.
11/98	Health Physics Calibration Facility (TA-3 SM-40, SM-65 and SM-130) downgraded from a hazard category 2 nuclear facility to a radiological facility. SM-40 and SM-65 had been hazard category 2 nuclear facilities while SM-130 had been a hazard category 3 nuclear facility. Health Physics Calibration Facility removed from the nuclear facilities list.
12/98	Radioactive Liquid Waste Treatment Facility (RLWTF) downgraded from a hazard category 2 nuclear facility to a hazard category 3 nuclear facility.
1/99	Pion Scattering Experiment of the TA-53 Nuclear Activities at Los Alamos Neutron Science Center (LANSCE) removed from the nuclear facilities list.
2/00	Building TA-50-190, Liquid Waste Tank, of the Waste Characterization Reduction and Repackaging Facility (WCRRF) removed from the nuclear facilities list.
3/00	DOE SER clarifies segmentation of the Waste Characterization Reduction and Repackaging Facility (WCRRF) as: 1) Building TA-50-69 designated as a hazard category 3 nuclear facility, 2) an outside operational area designated as a hazard category 2 nuclear facility, and 3) the Non-Destructive Assay (NDA) Mobile Facilities located outside TA-50-69 and designated as a hazard category 2 nuclear facility.
4/00	Building TA-3-159 of the TA-3 SIGMA Complex downgraded from hazard category 3 nuclear facility to a radiological facility and removed from the nuclear facilities list.
4/00	TA-35 Nonproliferation and International Security Facility Buildings 2 and 27 downgraded from hazard category 3 nuclear facilities to radiological facilities and removed from the nuclear facilities list.
3/01	TA-3-66, Sigma Facility, downgraded and removed from this nuclear list.
5/01	TA-16-411, Assembly Facility, downgraded and removed from this nuclear list.
5/01	TA-8-22, Radiography Facility, downgraded and removed from this nuclear list.
6/01	Site Wide Transportation added as a nuclear activity (included in 10 CFR 830 plan).
9/01	TA-53 LANSCE, WNR Target 4 JCO approved as hazard category 3 nuclear activity.
10/01	TA-53 LANSCE IL JCO in relation to changes in operational parameters of the coolant system with an expiration date of 1/31/02.
10/01	TA-53 LANSCE Actinide BIO approved as hazard category 3 nuclear activity.
3/02	TA-33-86, High Pressure Tritium Facility (HPTF) removed from nuclear facilities list.
4/02	TA-53 LANSCE, DOE NNSA approves BIO for Storing Activated Components (A6, etc.) in Bldg 53-3 Sector M "Area A East" and added as hazard category 3 nuclear activity.
7/02	TA-53 LANSCE, WNR Facility Target 4 downgraded to below hazard category 3 and removed

Changes in Nuclear Facility Status

Date	Description
	from the nuclear facilities list.
1/03	TA-50 Radioactive Materials, Research, Operations, and Demonstration (RAMROD) facility was downgraded to below hazard category 3 and removed from the nuclear facilities list.
6/03	TA-48-1, Radiochemistry and Hot Cell Facility was downgraded to below hazard category 3 and removed from the nuclear facilities list.
7/03	TA-21 Tritium System Test Assembly (TSTA) facility was downgraded to below hazard category 3 and removed from the nuclear facilities list.
11/03	TA-10 PRS 10-002(a)-00 (Former liquid disposal complex) environmental site was categorized as a hazard category 3 nuclear facility
11/03	TA-21 PRS 21-014 (Material Disposal Area A) environmental site was categorized as a hazard category 2 nuclear facility
11/03	TA-21 PRS 21-015 (Material Disposal Area B) environmental site was categorized as a hazard category 3 nuclear facility
11/03	TA-21 PRS 21-016(a)-99 (Material Disposal Area T) environmental site was categorized as a hazard category 2 nuclear facility
11/03	TA-35 PRS 35-001 (Material Disposal Area W, Sodium Storage Tanks) environmental site was categorized as a hazard category 3 nuclear facility
11/03	TA-35 PRS 35-003(a)-99 (Wastewater treatment plant (WWTP)) environmental site was categorized as a hazard category 3 nuclear facility
11/03	TA-35 PRS 35-003(d)-00 (Wastewater treatment plant – Pratt Canyon) environmental site was categorized as a hazard category 3 nuclear facility
11/03	TA-49 PRS 49-001(a)-00 (Material Disposal Area AB) environmental site was categorized as a hazard category 2 nuclear facility
11/03	TA-50 PRS 50-009 (Material Disposal Area C) environmental site was categorized as a hazard category 2 nuclear facility
11/03	TA-53 PRS 53-006(b)-99 (Underground tank with spent resins) environmental site was categorized as a hazard category 2 nuclear facility
11/03	TA-54 PRS 54-004 (Material Disposal Area H) environmental site was categorized as a hazard category 3 nuclear facility
3/04	TA-54-38, Radioassay and Nondestructive Testing (RANT) Facility, is re-categorized as a Hazard Category 2 nuclear facility from Hazard Category 3.
6/04	TA-54-412 Decontamination and Volume Reduction Glovebox (DVRS) added to Nuclear Facility List. The facility will operate as a Hazard Category 2 not exceeding 5 months from the date LASO formally releases the facility for operations following readiness verification.
6/04	DOE Safety Evaluation Report for the TSFF BIO establishes that TSFF is re-categorized as a Hazard Category 3 from Hazard Category 2.
7/04	TA-50 Radioactive Liquid Waste Treatment Facility (RLWTF) was re-categorized as a Hazard Category 2 Nuclear Facility based on a DOE Memo dated March 20, 2002.

FORWORD

1. This joint U.S. Department of Energy (DOE), National Nuclear Security Administration (NNSA), Los Alamos Site Office (LASO) and Los Alamos National Laboratory (LANL), Performance Surety (PS) Division document has been prepared by the LASO Safety Authorization Basis Team (SABT) and the Safety Basis Office (SBO) at LANL. This document provides a tabulation and summary information concerning hazard category 2 and 3 nuclear facilities at LANL.

2. This nuclear facility list will be updated to reflect changes in facility status caused by inventory reductions, final hazard classifications, exemptions, facility consolidations, and other factors.

3. DOE-STD-1027-92 methodologies are the bases used for identifying nuclear facilities to be included in this standard. Differences between this document and other documents that identify nuclear facilities may exist as this list only covers nuclear hazard category 2 and 3 facilities that must comply with the requirements stipulated in 10 CFR 830, Subpart B. Other documents might include facilities that have inventories below the nuclear hazard category 3 threshold, such as radiological facilities.

LIST OF ACRONYMS AND ABBREVIATIONS

Term	Meaning
ARIES	Advanced Recovery and Integration Extraction System
BIO	basis for interim operations
BUS	Business Operations (Division)
C	Chemistry (Division)
CFR	Code of Federal Regulations
CMR	Chemistry and Metallurgy Research (Facility)
CSO	cognizant secretarial officer
DD	Division Director
DOE	U.S. Department of Energy
DOE/AL	DOE Albuquerque Operations
DP	Defense Programs (DOE)
DSA	documented safety analysis
DVRS	decontamination and volume reduction glovebox
EM	Environmental Management (DOE)
ESA	Engineering Sciences and Applications (Division)
ESH	Environment, Safety and Health (Division)
F&IB	Feedback and Improvement Board
FSAR	final safety analysis report
FM	facility management
FMU	facility management unit
FWO	Facility and Waste Operations (Division)
HA	hazard analysis
HC	hazard category
HPTF	High Pressure Tritium Facility
HSR	Health, Safety and Radiation
IAW	in accordance with
IFIT	Isotopic Fuel Impact Test
ITSR	interim technical safety requirements
JCO	justification for continued operations
LACEF	Los Alamos Criticality Experiment Facility
LANL	Los Alamos National Laboratory
LANSCE	Los Alamos Neutron Science Center
LASO	Los Alamos Site Office
LLW	low-level waste
MER	management evaluation report
MDA	material disposal area
MLNSC	Manuel Lujan Neutron Scattering Center
N	Nuclear Nonproliferation Division
NIS	Nonproliferation and International Security (Division) (name changed to Nuclear Nonproliferation Division)
NDA	non-destructive assay
NMT	Nuclear Materials Technology (Division)

NNSA.....National Nuclear Security Administration
NSM Rule.....Nuclear Safety Management Rule, 10 CFR 830
NTTL.....neutron tube target loading
OAB .....Office of Authorization Basis
OLASO.....Office of Los Alamos Site Operation
OSR .....operational safety requirement
OWR.....Omega West Reactor
PRS.....Potential Release Site
PS .....Performance Surety (Division)
Pu.....plutonium
RAMROD .....Radioactive Material, Research, Operations, and Demonstration (Facility)
RANT.....Radioactive Assay Nondestructive Testing (Facility)
RDL.....Responsible Division Leader
Rev. .....revision
RLWTF .....Radioactive Liquid Waste Treatment Facility
SA.....safety assessment
SAR .....safety analysis report
SB.....safety basis
SBO .....Safety Basis Office
SER.....safety evaluation report
SM.....South Mesa
STD .....standard
SUP.....Supply Chain Management (Division) (formerly known as BUS)
TA.....technical area
TBD.....to be determined
TRU.....transuranic
TSD .....transportation safety document
TSE.....Tritium Science Engineering (Group)
TSFF.....Tritium Science and Fabrication Facility
TSR.....technical safety requirement
TSTA.....Tritium Systems Test Assembly (Facility)
TWISP.....Transuranic Waste Inspectable Storage Project
USQ.....unreviewed safety question
WCRRF.....Waste Characterization, Reduction and Repackaging Facility
WETF.....Weapons Engineering Tritium Facility
WSDF.....Waste Storage and Disposal Facility

1 SCOPE

Standard DOE-STD-1027-92, Change 1, *Hazard Categorization and Accident Analysis Techniques for Compliance with DOE Order 5480.23, Nuclear Safety Analysis Reports*, provides methodologies for the hazard categorization of DOE facilities based on facility material inventories and material at risk. This document lists hazard category 2 and 3 nuclear facilities because they must comply with requirements in Title10, *Code of Federal Regulations*, Part 830, Nuclear Safety Management, Subpart B, "Safety Basis Requirements." The Los Alamos National Laboratory (LANL) nuclear facilities that are below hazard category 3 (radiological facilities) have not been included on this list because they are exempt from the requirements in 10 CFR 830, Subpart B.

2 PURPOSE

This standard provides a list of hazard category 2 (HC2) and 3 (HC3) nuclear facilities at LANL. The list will be revised, as appropriate, to reflect changes in facility status resulting from final hazard categorization or movement, relocation, or final disposal of radioactive inventories. The list shall be used as the basis for determining initial applicability of DOE nuclear facility requirements. The list now identifies the categorization of site wide transportation and environmental sites per the requirements of 10 CFR 830, Subpart B.

3 APPLICABILITY

This standard is intended for use by NNSA and contractors with responsibilities for facility operation and/or oversight at LANL.

4 REFERENCES

4.1 49 CFR 173.469, Title 49, *Code of Federal Regulations,* Part 173 "Shippers - General Requirements for Shipments and Packagings."

4.2 DOE O 420.2, Change 1, *Safety of Accelerator Facilities*, USDOE, 5/26/99.

4.3 DOE-STD-1027-92, Change 1, *Hazard Categorization and Accident Analysis Techniques for Compliance with DOE Order 5480.23, Nuclear Safety Analysis Reports*, USDOE, 9/97.

4.4 10 CFR 830, Title 10, *Code of Federal Regulations*, Part 830, "Nuclear Safety Management."

4.5 ANSI N43.6, American National Standards Institute (ANSI) N43.6, "American National Standard for General Radiation Safety—Sealed Radioactive Sources, Classification".

5 NUCLEAR FACILITIES LIST

Table 5-1 identifies all HC2 and HC3 nuclear facilities at LANL. Facilities have been categorized based on criteria in DOE-STD-1027-92, Change 1. Site, zone or area, building number, name, and dominant hazard category identifies each facility. The dominant hazard category is determined by identifying the highest hazard category for multi-process facilities. Buildings, structures, and processes addressed by a common documented safety analysis have

been designated as a single facility. DOE-STD-1027-92, Change 1, permits exclusion of sealed radioactive sources from a radioactive inventory of the facility if the sources were fabricated and tested in accordance with 49 CFR 173.469 or ANSI N43.6. In addition, material contained in U.S. Department of Transportation (DOT) Type B shipping containers may also be excluded from radioactive inventory. Facilities containing only material tested or stored in accordance with these standards do not appear in the list and tables that follow.

TABLE 5-1. Summary of LANL Nuclear Facilities

HAZ CAT	FACILITY NAME
2	TA-3 Chemistry and Metallurgy Research Facility (CMR)
2	TA-8 Radiography Facility
3	TA-10 PRS 10-002(a)-00 (Former liquid disposal complex)
2	TA-16 Weapons Engineering Tritium Facility (WETF)
2	TA-18 Los Alamos Critical Experiment Facility (LACEF) and Hillside Vault
3	TA-21 Tritium Science and Fabrication Facility (TSFF)
2	TA-21 PRS 21-014 (MDA A)
3	TA-21 PRS 21-015 (MDA B)
2	TA-21 PRS-21-016(a)-99 (MDA T)
3	TA-35 PRS 35-001 (MDA W – Sodium Storage Tanks)
3	TA-35 PRS 35-003(a)-99 (Wastewater Treatment Plant (WWTP))
3	TA-35 PRS 35-003(d)-00 (Wastewater Treatment Plant (Pratt Canyon))
2	TA-49 PRS 49-00(a)-00 (MDA AB)
2	TA-50 Radioactive Liquid Waste Treatment Facility (RLWTF)
2	TA-50 Waste Characterization Reduction and Repackaging Facility (WCRRF)
2	TA-50 PRS 50-009 (MDA C)
3	TA-53 Los Alamos Neutron Science Center (LANSCE) 1L Target
3	TA-53 LANSCE Lujan Center ER-1/2 Actinide
3	TA-53 LANSCE Storage of Activated Components/Targets (A-6, etc.) in Building 53-3, Sector M Area A East
2	TA-53 PRS 53-006(b)-99 (Underground tank with spent resin)
2	TA-54 Waste Storage and Disposal Facility (Area G)
2	TA-54 Transuranic Waste Inspectable Storage Project (TWISP)
2	TA-54 Radioactive Assay Nondestructive Testing (RANT) Facility
3	TA-54 PRS 54-004 (MDA H)
2	TA-54 Decontamination and Volume Reduction (DVRS) Glovebox
2	TA-55 Plutonium Facility
2	Site Wide Transportation

Summary of Table 5-1:

17 Hazard Category 2 Nuclear Facilities
10 Hazard Category 3 Nuclear Facilities

27 Total Nuclear Facilities

6 LANL NUCLEAR FACILITIES SUMMARY TABLES

The Table 5-2 lists the categorization basis information and a brief description for each nuclear facility identified in Table 5-1.

TABLE 5-2. Nuclear Facility Categorization Information

TA	Bldg	PRS	Hazard Category	Facility Name	Description	Categorization Basis	CSO	PHSC	RDL
3	0029		2	Chemistry and Metallurgy Research Facility CMR	Actinide chemistry research and analysis	*CMR Basis for Interim Operations*, dated August 26, 1998	DP	9	NMT
8	0023		2	TA-8 Radiography Facility	Radiography Facility	Documented Safety Analysis for TA-8, Building 23 – Radiography Facility, LA-CP-02-380, September 9, 2002.	DP	5	ESA
10		10-0029(a)-99	3	PRS 10-002(a)-99 (Former liquid disposal complex)	PRS 10-002(a)-99 is associated with the former liquid disposal complex serving the radiochemistry laboratory at TA-10. The complex discharged to leach fields and pits. The entire complex underwent D&D in 1963. All above ground and below ground structures were removed. The remaining materials were placed in a pit that remains in place.	DOE Memo: *New Categorization of Existing Nuclear Facilities at LANL, November 26, 2003* LANL Memo: *Initial Categorization of Environmental Sites, November 21, 2003, RRES-DO:03-138*	EM		RRES
16	0205		2	Weapons Engineering and Tritium Facility (WETF)	Tritium Research	Safety Evaluation Report (SER) for WETF, SER-Rev.0, March 27, 2002.	DP	5	ESA
18			2	Los Alamos Critical Experiment Facility (LACEF)	Critical experiment site	LANL Technical Area 18 Basis for Interim Operations, TA-18-AB-SAD-0102. March 2002.	DP	6	N

TA	Bldg	PRS	Hazard Category	Facility Name	Description	Categorization Basis	CSO	FMU	RDL
21	0209		3	Tritium Science and Fabrication Facility (TSFF)	Stabilization activities and NTLL Support	Safety Evaluation Report (SER), Basis for Interim Operation (BIO) and Technical Safety Requirements (TSRs) for the Tritium Science Fagrication Facility (TSFF), Technical Area 21, Building 209, LANL TSFF-DSA-BIO, R2 and LANL TSFF TSR, Revision 2, June 10, 2004.	DP	5	ESA
21		21-014	2	PRS 21-014 (MDA A)	MDA A is a 1.25 acre site that was used intermittently from 1945 to 1949 and 1969 to 1977 to dispose of radioactively contaminated solid wastes, debris from D&D activities, and radioactive liquids generated at TA-21. The area contains two buried 50,000 gal. storage tanks (the "General's Tanks") on the west side of MDA A, two rectangular disposal pits (each 18 ft long x 12.5 ft wide x 12.5 deep) on the east side of MDA A, and a large central pit (172 ft long x 134 ft wide x 22 ft deep).	DOE Memo: *New Categorization of Existing Nuclear Facilities at LANL, November 26, 2003* LANL Memo: *Initial Categorization of Environmental Sites, November 21, 2003, RRES-DO:03-138*	EM	8	RRES

TA	Bldg	PRS	Hazard Category	Facility Name	Description	Categorization Basis	CSO	FMU	RDL
21		21-015	3	PRS 21-015 (MDA B)	MDA B is an inactive 6.03 acre disposal site. It was the first common disposal area for radioactive waste generated at LANL and operated from 1945 to 1952. The site runs along the fence line on DP Road and is located about 1600 ft east of the intersection of DB Road and Trinity Drive. The site comprises four major pits (each 300 ft x 15 ft x 12 ft deep), a small trench (40 ft x 2 ft x 3 ft deep), and miscellaneous small disposal sites.	DOE Memo: *New Categorization of Existing Nuclear Facilities at LANL, November 26, 2003* LANL Memo: *Initial Categorization of Environmental Sites, November 21, 2003, RRES-DO:03-138*	EM	8	RRES
21		21-016(a)-99	2	PRS 21-016(a)-99 (MDA T)	MDA T, an area of about 2.2 acres, consists of four inactive absorption beds, a distribution box, a subsurface retrievable waste storage area disposal shafts, a former waste treatment plant, and cement paste spills on the surface and within the retrievable waste storage area.	DOE Memo: *New Categorization of Existing Nuclear Facilities at LANL, November 26, 2003* LANL Memo: *Initial Categorization of Environmental Sites, November 21, 2003, RRES-DO:03-138*	EM	8	RRES

TA	Bldg	PRS	Hazard Category	Facility Name	Description	Categorization Basis	CSO	FMU	RDL
35		35-001	3	PRS 31-001 (MDA W Sodium Storage Tanks)	MDA W consists of two vertical shafts or "tanks" that were used for the disposal of sodium coolant used in LAMPRE-1 sodium cooled research reactor. The two tanks are 125 ft long stainless steel tubes that were half filled and inserted into carbon steel casings separated by approximately 3 ft. Until 1980, a metal control shed was located above the tanks, but this feature was removed and replaced with a concrete cover. The predominant radionuclide of concern in the Sodium is Pu-239 that may have been introduced from a breach of one or two fuel elements during the operational life of LAMPRE-1.	DOE Memo: *New Categorization of Existing Nuclear Facilities at LANL, November 26, 2003* LANL Memo: *Initial Categorization of Environmental Sites, November 21, 2003, RRES-DO:03-138*	EM	8	RRES

TA	Bldg	PRS	Hazard Category	Facility Name	Description	Categorization Basis	CSO	FMU	RDL
35		35-003(a)-99	3	PRS 35-003(a)-99 (Wastewater treatment plant (WWTP))	The WWTP was located at the east end of Ten Site Mesa and operated from 1951 until 1963. It consisted of an array of underground waste lines, storage tanks, and chemical treatment precipitation tanks. The plant treated liquid waste that originated from the radiochemistry laboratories and operation of the radioactive lanthanum-140 hot cells in Bldg 35-2. The liquid wastes from the laboratories were acidic, and the radioactivity in the waste came from barium-140, lanthanum-140, strontium-89, strontium-90, and yttrium-90.	DOE Memo: *New Categorization of Existing Nuclear Facilities at LANL, November 26, 2003* LANL Memo: *Initial Categorization of Environmental Sites, November 21, 2003, RRES-DO:03-138*	EM	8	RRES
35		35-003(d)-00	3	PRS 35-003(d)-00 (Wastewater treatment plant – Pratt Canyon)	The former structures associated with the Pratt Canyon component of the WWTP. All buildings, foundations, and structures were removed during D&D activities in 1981 and 1985, then backfilled with 20 ft of clean fill material.	DOE Memo: *New Categorization of Existing Nuclear Facilities at LANL, November 26, 2003* LANL Memo: *Initial Categorization of Environmental Sites, November 21, 2003, RRES-DO:03-138*	EM	8	RRES

TA	Bldg	PRS	Hazard Category	Facility Name	Description	Categorization Basis	CSO	FMU	RDL
49		49-001(a)-00	2	PRS 49-001(a)-00 (MDA AB)	This underground, former explosive test site comprises four distinct areas, each with a series of deep shafts used for subcritical testing. Radioactively contaminated surface soil exists at one of the test areas [SWMU 49-001(g)].	DOE Memo: *New Categorization of Existing Nuclear Facilities at LANL, November 26, 2003* LANL Memo: *Initial Categorization of Environmental Sites, November 21, 2003, RRES-DO:03-138*	EM	8	RRES
50	0001		2	TA-50 Radioactive Liquid Waste Treatment Facility (RLWTF)	Main treatment plant, pretreatment plant, decontamination operation	DOE Memorandum: Hazard Categorization of the Radioactive Liquid Waste Treatment Facility (RLWTF), SABT/RCJ.0202, March 20, 2002.	DP	6	FWO
	0002		2		Low level liquid influence tanks, treatment effluent tanks, low level sludge tanks				
	0066		2		Acid and Caustic waste holding tanks				
	0090		2		Holding tank				
50	0069		3	TA-50 Waste Characterization Reduction and Repackaging Facility (WCRRF)	Waste characterization, reduction, and repackaging facility	*Safety Evaluation Report (SER) for Waste Characterization, Reduction, and Repackaging Facility (WCRRF) Interim Technical Safety Requirements (ITSRs), TA-50-69*, Rev. 0, February 15, 2000, March 13, 2000. (ITSRs/ HA approved as a BIO)	DP	6	FWO
	External		2		NDA mobile activities outside TA-50-69				
	External		2		Drum staging/storage pad and waste container temperature equilibration activities outside TA-50-69				

TA	Bldg	PRS	Hazard Category	Facility Name	Description	Categorization Basis	CSO	FMU	RDL
50		50-009	2	PRS 50-009 (MDA C)	MDA C was established in 1948 to replace MDA B. MDA C covers 11.8 acres and consists of 7 pits (four are 610 ft x 40 ft x 25 ft, one is 110 ft x 705 ft x 18 ft, one is 100 ft x 505 ft x 25 ft, and one 25 ft x 180 ft x 12 ft), 107 shafts (each typically 2 ft dia. x 10-25 deep), and one unnumbered shaft used for a single strontium-90 source disposal. Pits and shafts were used for burial of hazardous chemicals, uncontaminated classified materials, and radioactive materials. TRU waste also was buried in unknown quantities in the pits. The landfill was used until 1974. COCPCs included inorganic chemicals, VOCs, SVOCs, and radionuclides.	DOE Memo: *New Categorization of Existing Nuclear Facilities at LANL, November 26, 2003* LANL Memo: *Initial Categorization of Environmental Sites, November 21, 2003, RRES-DO:03-138*	EM	6	RRES
53	IL Target		3	TA-53 Nuclear Activities at Los Alamos Neutron Science Center (LANSCE)	Lujan Center Neutron Production Target	Safety Evaluation Report for LANSCE (TA-53) 1L Target-BIO, Rev.1, March 22,2000	DP	4	LANSCE
53	Lujan Center ER-1/2		3	TA-53 Nuclear Activities at Los Alamos Neutron Science Center (LANSCE)	Actinide scattering experiments	Safety Evaluation Report Basis for Interim Operations for Experiments on Neutron Scattering by Actinides at the Manuel Lujan, Jr. Neutron Scattering Center, Sept 17, 2001	DP	4	LANSCE

TA	Bldg	PRS	Hazard Category	Facility Name	Description	Categorization Basis	CSO	FMU	RDL
53	Area A-6		3	TA-53 Nuclear Activities at Los Alamos Neutron Science Center (LANSCE)	In-place storage DU and A-6 beam stop	DOE Memo – Approval and Safety Evaluation (SER) for the Basis for Interim Operations (BIO) for the LANSCE in Place Storage Operations in Building 53-3, Sector M "Area East", SABM A6 LANSCE BIO Approval, April 6, 2002.	DP	4	LANSCE
53		53-006(b)-99	2	PRS 53-006(b)-99 (Underground tank with spent resins)	Three inactive underground tanks associated with the former radioactive liquid waste system at TA-53. One tank (Structure 53-59) is 28 in dia x 65 ft long and contains spent ion exchange resin. Two empty tanks are 6 ft dia x 12 ft long and are not included here.	DOE Memo: *New Categorization of Existing Nuclear Facilities at LANL, November 26, 2003* LANL Memo: *Initial Categorization of Environmental Sites, November 21, 2003, RRES-DO:03-138*	EM	4	RRES
54	Area G		2	TA-54 Waste Storage and Disposal Facility (Area G)	Low level waste (LLW) (including mixed waste) storage and disposal in domes, pits, shafts, and trenches. TRU waste storage in domes and shafts (does not include TWISP). TRU legacy waste in pits and shafts. Low level disposal of asbestos in pits and shafts. Operations building; TRU waste storage.	U.S. Department of Energy, National Nuclear Security Administration SER for TA-55 Area G DSA 11/25/03; Final Documented Safety Analysis (DSA) Technical Area 54, Area g, ABD-WFM-001, Rev.0 April 9, 2003, ADB-WFM-002, Rev. 0, November 10, 2003.	DP	6	FWO
54	Pad 2		2	TA-54 Transuranic Waste Inspectable	Recovery of buried TRU waste	Safety Evaluation Report (SER) for TWISP-SER-Rev. 0 June 26,	DP	6	FWO

TA	Bldg	PRS	Hazard Category	Facility Name	Description	Categorization Basis	CSO	FMU	RDL
	0033		2	Storage Project (TWISP)	TRU waste storage, fabric dome with TRU waste drum	2000. Basis for Interim Operations (BIO) Transuranic Waste Inspectable Storage Project (TWISP), TA-54, Area G; TWISP-BIO-Rev. 0, April 24, 2000; TWISP-TSR-Rev. 0, April 24, 2000.			
54	412		2	TA-54 Decontamination and Volume Reduction Glovebox Note: The facility will operate as a Hazard Category 2 not exceeding 5 months from the date LASO formally releases the facility for operations following readiness verification.	Recovery of buried TRU waste	Safety Evaluation Report: Basis for Interim Operation (BIO) and Technical Safety Requirements (TSRs) for the Decontamination and Volume Reduction Glovebox in support of the Quick-to-WIPP Project. ABD-WFM, Rev. 0 April 8, 2004. SER Effective Date: June 8, 2004.	DP	6	FWO
54	0038		2	TA-54 Radioactive Assay Nondestructive Testing (RANT) Facility	Nondestructive assay and examination of waste drums, WIPP certification of TRU waste drums, TRUPACT loading of drums	Safety Evaluation Report, Basis for Interim Operation (BIO) and Technical Safety Requirements for the Radioassay and Nondestructive Testing (RANT) Facility, Technical Area 54-38, ABD-WFM-007, Rev. 0, May 30, 2003; LASO December 23, 2003	DP	6	FWO
54		54-004	3	PRS 54-004 (MDA H)	MDA H is a 0.3 acre site on Mesita del Buey that contains nine inactive shafts that were used for disposal of LANL waste. Each shaft is 6 ft dia x 60 ft deep.	DOE Memo: *New Categorization of Existing Nuclear Facilities at LANL, November 26, 2003* LANL Memo: *Initial Categorization of Environmental Sites, November 21, 2003, RRES-DO:03-138*	EM	6	RRES

TA	Bldg	PRS	Hazard Category	Facility Name	Description	Categorization Basis	CSO	FMU	RDL
55	4		2	TA-55 Plutonium Facility	Pu glovebox lines; processing of isotopes of Pu	*Safety Evaluation Report of the Los Alamos National Laboratory Technical Area 55 Plutonium Building-4, Safety Analysis Report and Technical Safety Requirements*, December 1996.	DP	7	NMT
Site Wide			2	Site Wide Transportation	Laboratory nuclear materials transportation	Safety Evaluation Report, Los Alamos National Laboratory Transportation Safty Document (TSD) Technical Safety Requirements (TSRs), September 2002, LANL BUS4-SA-002, R0. US DOE NNSA LASO November 8, 2002.	DP	FWO-DLL	SUP